

Application No. 10/051,237  
Attorney Docket: LHGT 1054-0

I hereby certify that this correspondence is being deposited  
with the United States Postal Service as First Class Mail to:  
Mail Stop Amendment, Commissioner for Patents,  
P.O. Box 1450, Alexandria, VA 22313-1450

On April 30, 2004

Signed: Paula Pauline Hurler

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Lyle Smith et al.	Attorney Docket No.: LGHT 1054-0
Application No.: 10/051,237	Examiner: Sara W. Crane
Filed: January 18, 2002	Group: 2811
Title: ASIC ROUTING ARCHITECTURE	Confirmation No.: 7958
	<b>Customer No. 22470</b>

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

It is requested that the information identified in this statement be considered by the Examiner and made of record in the above-identified application. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56.

Enclosed with this statement is a Form PTO/SB/08A. The Examiner is requested to initial the form and return it to the undersigned in accordance with M.P.E.P. 609.

Also enclosed with this statement is a copy of each cited document as required by 37 C.F.R. 1.98. If, however, this application was filed after June 30, 2003, copies of U. S. Patents and U. S. Patent Application Publications are not enclosed. (See O. G. Notice of August 5, 2003.)

If a written English-language translation of a non-English language document, or portion thereof, is within the possession, custody or control of, or is readily available to any individual designated in 1.56(c), a copy of the translation accompanies this statement, 37 C.F.R. 1.98(a)(3)(ii).

This statement should be considered under 37 C.F.R. 1.97(c) because it is being filed before the mailing date of a FINAL office action, a Notice of Allowance, or an action that otherwise closes prosecution in the subject application, whichever occurs first, AND:

This statement is accompanied by the \$180 fee set forth in 37 C.F.R. 1.17(p).

**Fee Authorization.** The Commissioner is hereby authorized to charge any additional fees or credit any overpayment associated with this communication to Deposit Account No. 50-0869 (LGHT 1054-0).

Respectfully submitted,  
Haynes Beffel & Wolfeld LLP

Date: April 30, 2004

By: Warren S. Wolfeld  
Warren S. Wolfeld, Reg. No. 31,454

Warren S. Wolfeld  
Haynes Beffel & Wolfeld LLP  
P.O. Box 366  
Half Moon Bay, CA 94019  
Ph. (650) 712-0340  
Fax (650) 712-0263  
WSW:pfh

Please type a plus sign (+) inside this box → ☐



PTO/SB/08A (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 3

### Complete if Known

Application Number	10/051,237
Filing Date	January 18, 2002
First Named Inventor	Lyle Smith
Group Art Unit	2811
Examiner Name	Sara W. Crane
Attorney Docket Number	LGHT 1054-0

### U.S. PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	RE 34363		Freeman (deceased)	08-31-1993	
	A2	4,161,662		Malcolm et al.	07-17-1979	
	A3	4,197,555		Uehara et al.	04-08-1980	
	A4	4,568,961		Noto	02-04-1986	
	A5	4,642,487		Carter	02-10-1987	
	A6	4,682,201		Lipp	07-21-1987	
	A7	4,745,084		Rowson et al.	05-17-1988	
	A8	4,748,494		Yamada et al.	05-31-1988	
	A9	4,851,892		Anderson et al.	07-25-1989	
	A10	4,870,302		Freeman	09-26-1989	
	A11	4,873,459		El Gamal et al.	10-10-1989	
	A12	4,875,971		Orbach et al.	10-24-1989	
	A13	4,943,841		Yahara	07-24-1990	
	A14	5,016,080		Gianella	05-14-1991	
	A15	5,023,701		Sharpe-Geisler	06-11-1991	
	A16	5,049,969		Orbach et al.	09-17-1991	
	A17	5,073,729		Greene et al.	12-17-1991	
	A18	5,084,404		Sharpe-Geisler	01-28-1992	
	A19	5,087,589		Chapman et al.	02-11-1992	
	A20	5,172,014		El Avat et al.	12-15-1992	

### FOREIGN PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	B1	DE	3408747		RCA Corp.	09-27-1984		
	B2	DD	000279387		VEB ZFT Mikroeltrn	06-06-1990		
	B3	EP	0408060		Hitachi, Ltd.	01-16-1991		
	B4	EP	0681329		Quick Technologies, Ltd	11-08-1995		
	B5	JP	7211767		Nippon Denshin Denwa	12-25-1982	(Abstract only)	
	B6	JP	1266742		Seiko Epson Corp.	10-24-1989		
	B7	JP	3283663		NEC Corp.	12-13-1991		
	B8	JP	4152567		Mitsubishi Elec. Corp.	05-26-1992		
	B9	JP	6077427		Sunao Shibata	03-18-1994	(Abstract only)	
	B10	WO	93/10561		VLSI Technology, Inc.	05-27-1993		

Examiner  
Signature

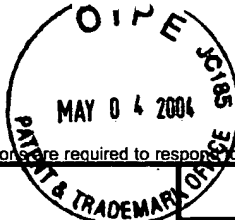
Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐



PTO/SB/08A (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>	
	<b>Application Number</b>	10/051,237		
	<b>Filing Date</b>	January 18, 2002		
	<b>First Named Inventor</b>	Lyle Smith		
	<b>Group Art Unit</b>	2811		
	<b>Examiner Name</b>	Sara W. Crane		
	<b>Attorney Docket Number</b>	LGHT 1054-0		
Sheet	2	of	3	

U.S. PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A21	5,206,184		Allen et al.	04-27-1993	
	A22	5,309,015		Kuwata et al.	05-03-1994	
	A23	5,338,970		Boyle et al.	08-16-1994	
	A24	5,404,033		Wong et al.	04-04-1995	
	A25	5,506,162		Hirose et al.	04-09-1996	
	A26	5,565,758		Yoeli et al.	10-15-1996	
	A27	5,619,062		Janai et al.	04-08-1997	
	A28	5,679,967		Janai et al.	10-21-1997	
	A29	5,847,420		Kuge et al.	12-08-1998	
	A30	5,861,641		Yoeli et al.	01-19-1999	
	A31					
	A32					
	A33					
	A34					
	A35					
	A36					
	A37					
	A38					
	A39					
	A40					

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	B11							
	B12							
	B13							
	B14							
	B15							
	B16							
	B17							
	B18							
	B19							
	B20							

<b>Examiner Signature</b>	<b>Date Considered</b>
-------------------------------	----------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+	
---	--

**MAY 04 2004**

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Complete if Known**

<b>Application Number</b>	10/051,237
<b>Filing Date</b>	January 18, 2002
<b>First Named Inventor</b>	Lyle Smith
<b>Group Art Unit</b>	2811
<b>Examiner Name</b>	Sara W. Crane
<b>Attorney Docket Number</b>	LGHT 1054-0

*(use as many sheets as necessary)*

Sheet	3	of	3
-------	---	----	---

[illegible]

Examiner  
Signature

Date  
Considered

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.